

Fig. 1  
第1図

FIG. 1

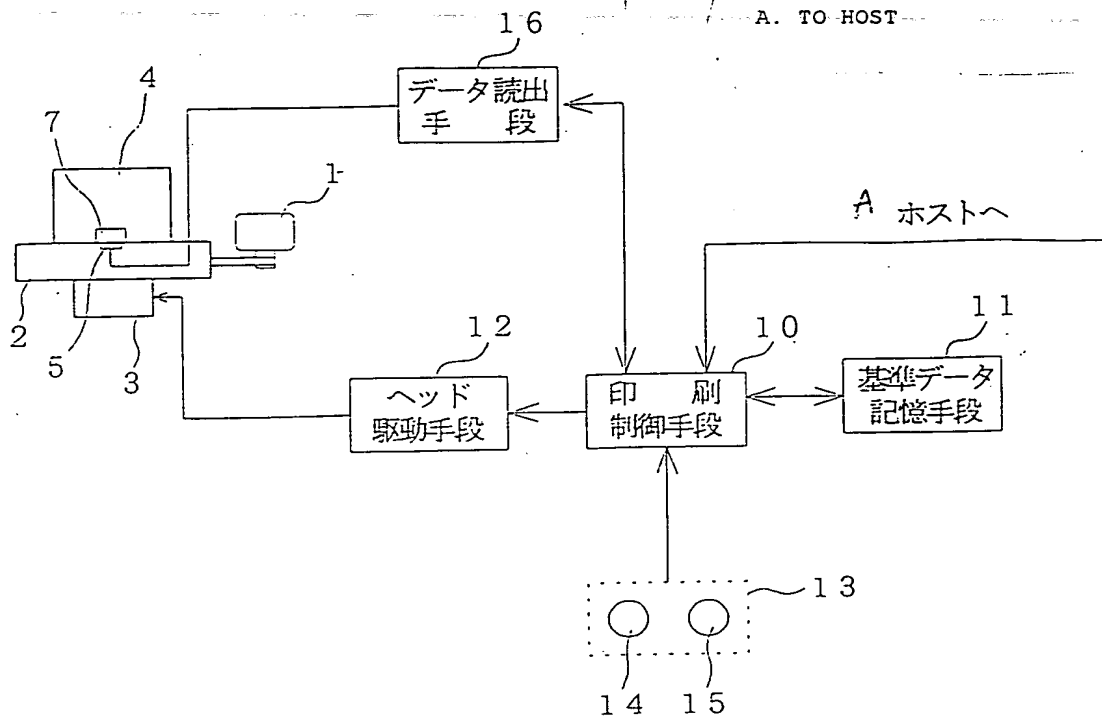
10 PRINT CONTROL MEANS

11 REFERENCE DATA STORAGE MEANS

12 HEAD DRIVE MEANS

16 DATA READ MEANS

A. TO HOST



第2図

Fig. 2

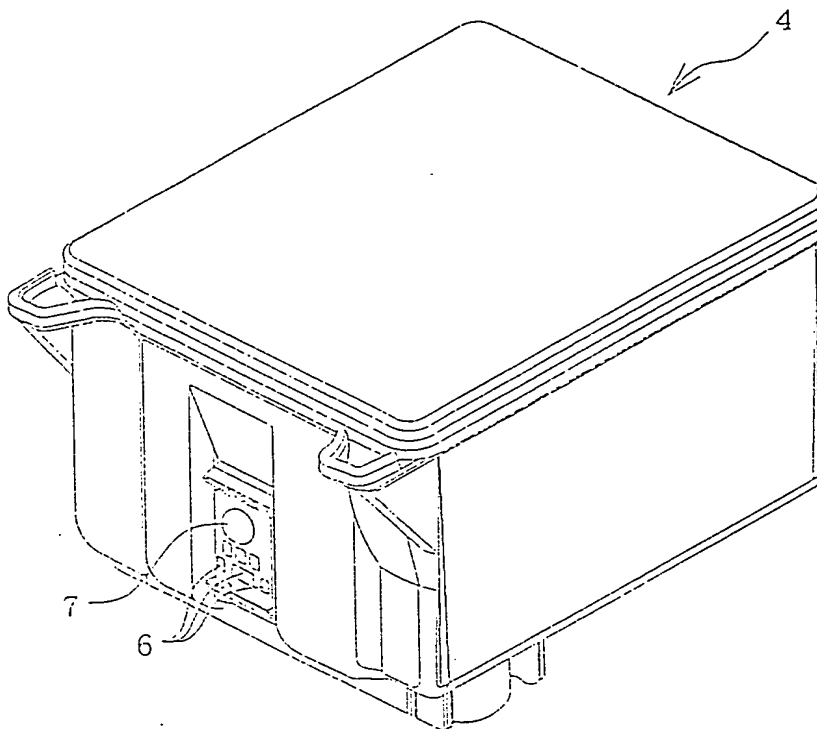


FIG. 3

START

S1 I/C REPLACED, MOUNTED

S2 COMPATIBLE TO THE RECORDING APPARATUS

S3 PERFORM INK FILLING OPERATION

S4 PRINTABLE

S5 PRINT INSTRUCTION INPUT

S6 PRINT OPERATION

S7 CAUTION

S8 INPUT CONTINUATION INSTRUCTION

S9 I/C REPLACED, MOUNTED

S10 PREDETERMINED TIME ELAPSED

S11 INK FILLING OPERATION

S12 PRINTABLE

S13 PRINT INSTRUCTION INPUT

S14 PRINT OPERATION

S15 PREDETERMINED AMOUNT OF PRINT

END

第3図 Fig. 3

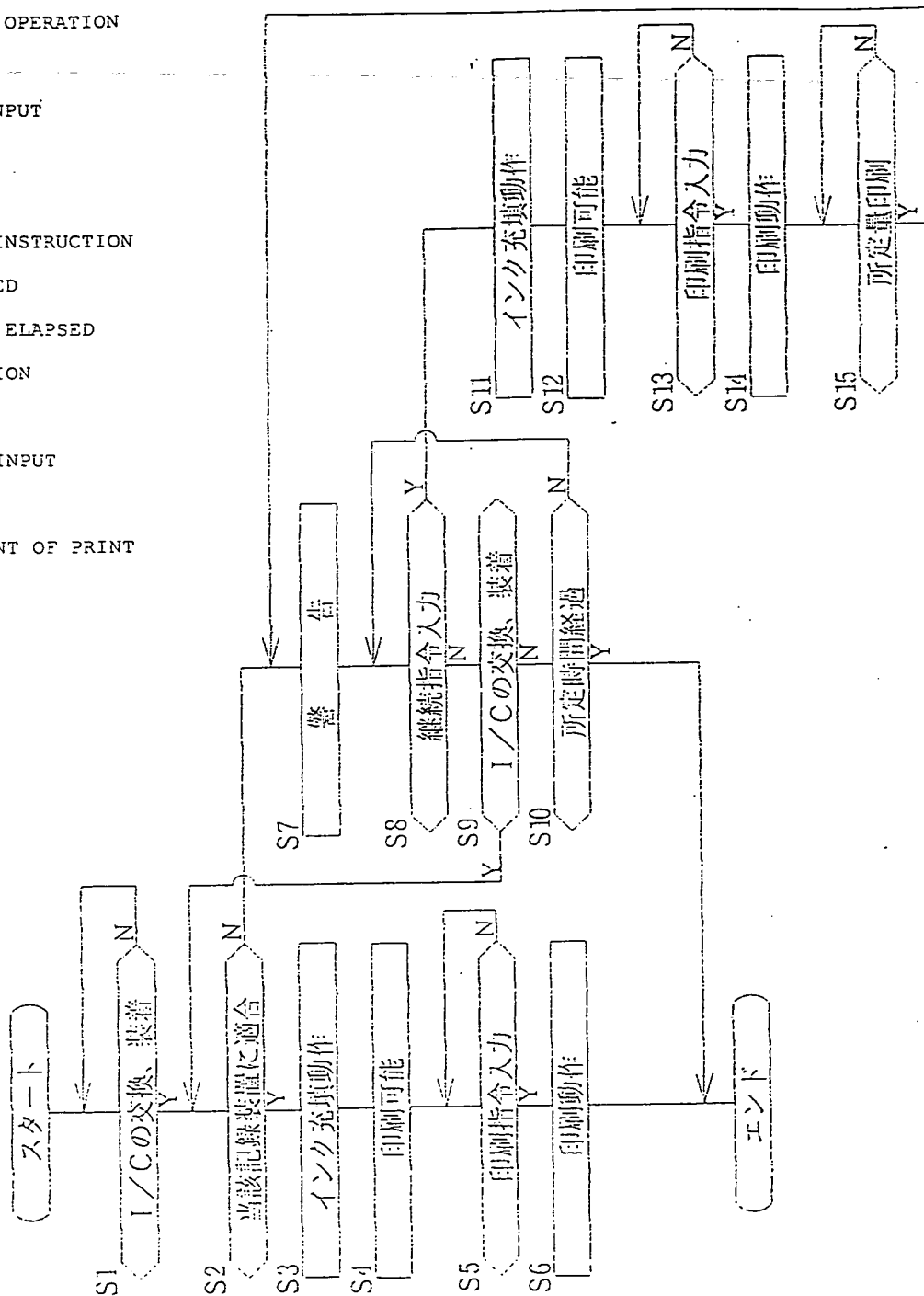


FIG. 4

第4図 Fig 4

START

S1 I/C REPLACED, MOUNTED

S2 COMPATIBLE TO THE RECORDING APPARATUS

S3 INK FILLING OPERATION

S4 PRINTABLE

S5 PRINT INSTRUCTION INPUT

S6 PRINT OPERATION

S7 CAUTION

S8 INPUT CONTINUATION INSTRUCTION

S9 I/C REPLACED, MOUNTED

S10 PREDETERMINED TIME ELAPSED

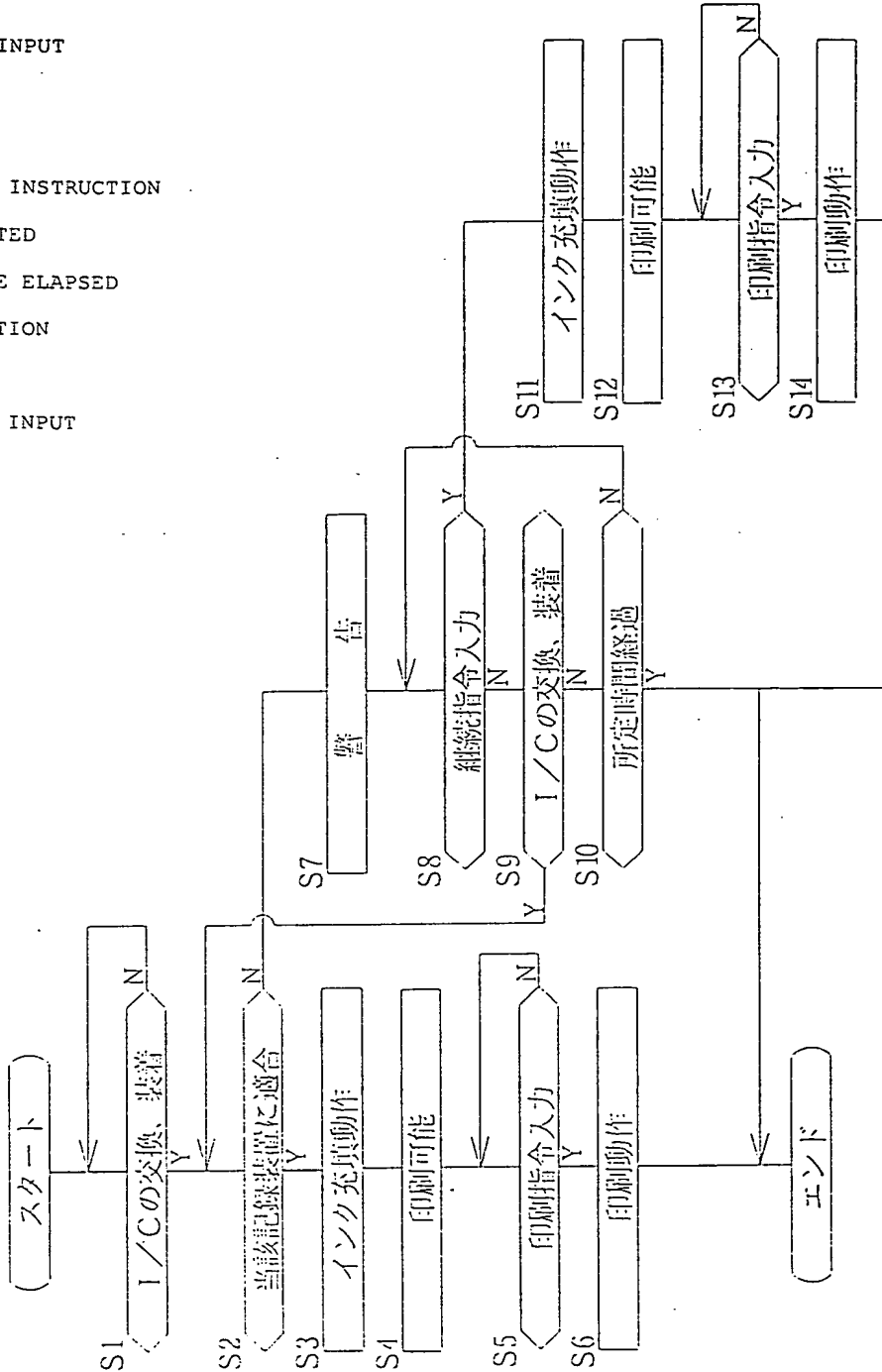
S11 INK FILLING OPERATION

S12 PRINTABLE

S13 PRINT INSTRUCTION INPUT

S14 PRINT OPERATION

END



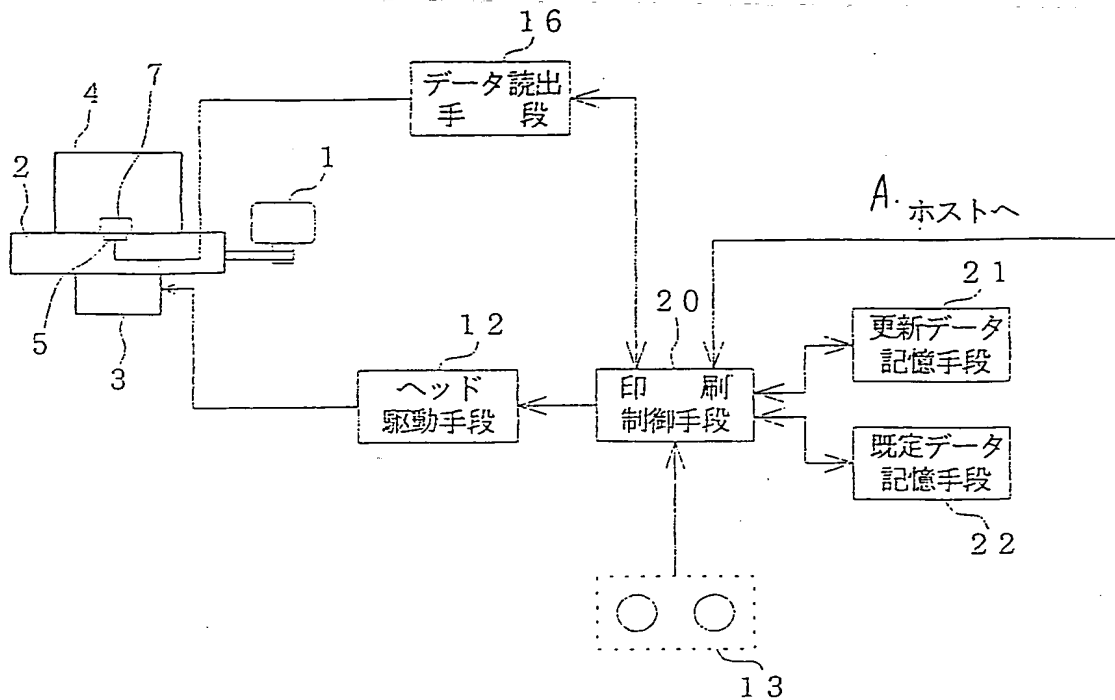


FIG. 5

12 HEAD DRIVE MEANS

16 DATA READ MEANS

20 PRINT CONTROL MEANS

21 UPDATE DATA STORAGE MEANS

22 DEFAULT DATA STORAGE MEANS

A. TO HOST

START

S1 I/C REPLACED, MOUNTED

S2 COMPATIBLE TO THE RECORDING APPARATUS

S3 READ DATA AND UPDATE DATA

S4 PRINTABLE

S5 DISPLAY CANNOT BE USED

S6 I/C REPLACED, MOUNTED

S7 PREVIOUS UPDATE DATA SELECTED

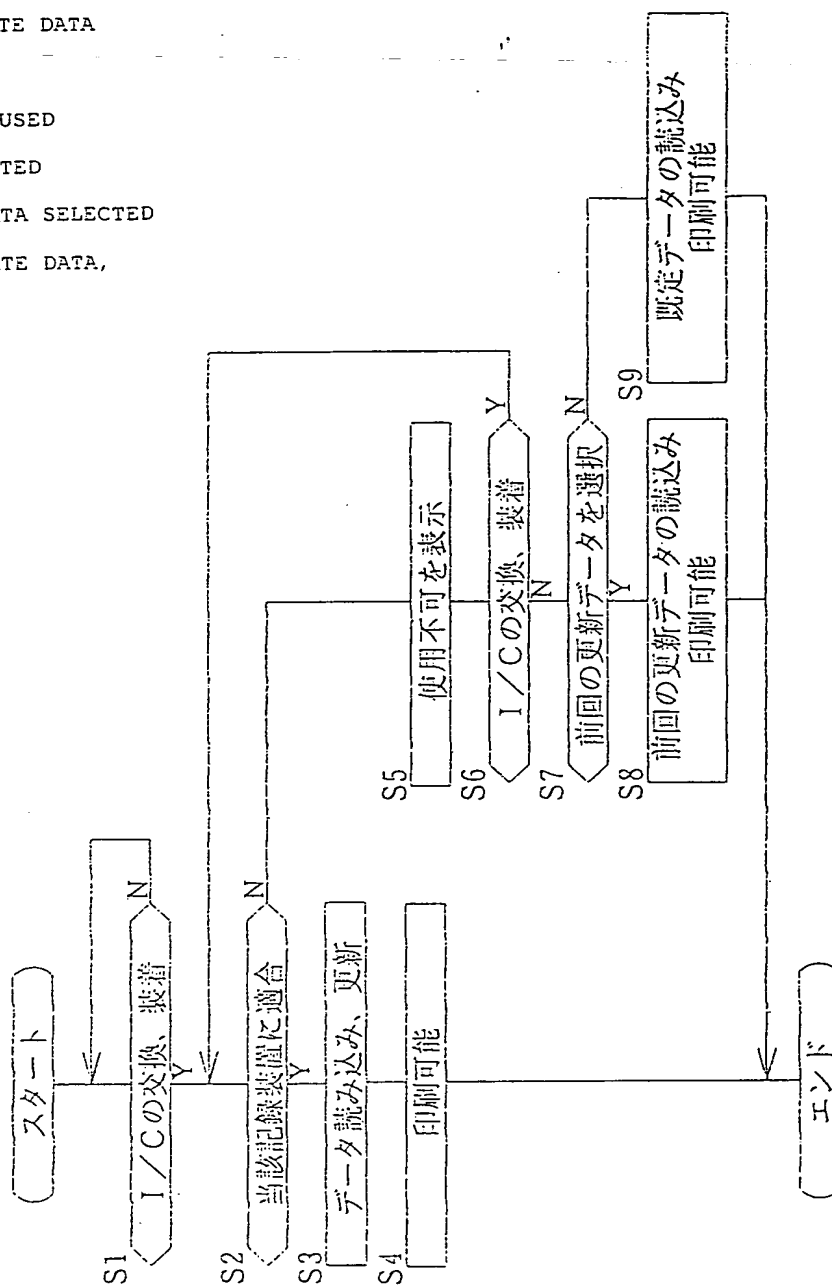
S8 READ PREVIOUS UPDATE DATA,

PRINTABLE

S9 READ DEFAULT DATA,

PRINTABLE

END



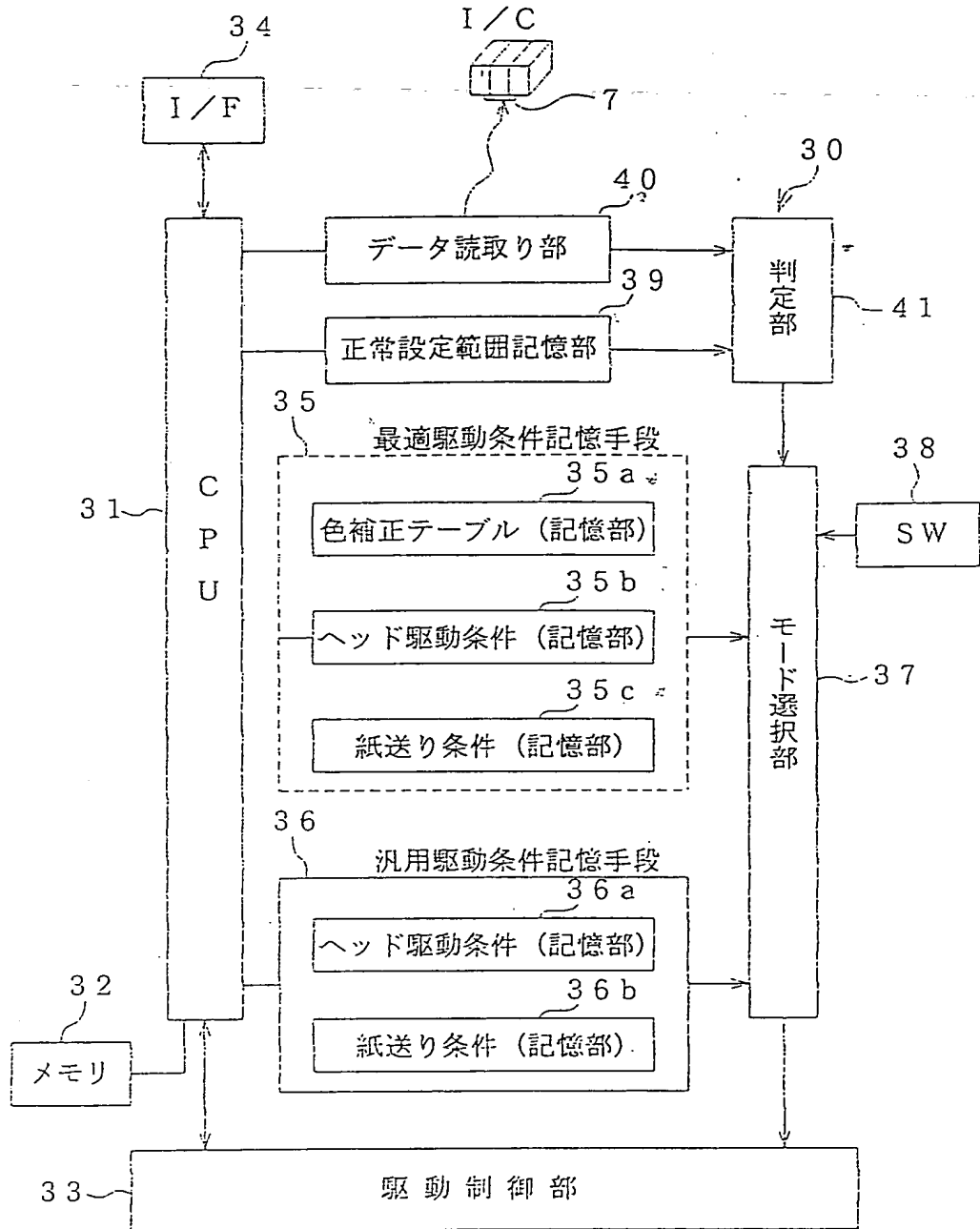


FIG. 7

- 32 MEMORY
- 33 DRIVE CONTROL SECTION
- 35 OPTIMUM DRIVE CONDITION STORAGE SECTION
- 35A COLOR CORRECTION TABLE (STORAGE SECTION)
- 35B HEAD DRIVE CONDITION (STORAGE SECTION)
- 35C PAPER FEED CONDITION (STORAGE SECTION)
- 36 GENERAL-PURPOSE DRIVE CONDITION STORAGE SECTION
- 36A HEAD DRIVE CONDITION (STORAGE SECTION)
- 36B PAPER FEED CONDITION (STORAGE SECTION)
- 37 MODE SELECTION SECTION
- 39 NORMAL SETUP RANGE STORAGE SECTION
- 40 DATA READ SECTION
- 41 DETERMINATION SECTION

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記憶情報テーブル

1	製造年 (下1桁、4)	...0000~1001 (0~9)
2	製造月 (下2桁、4)	...0001~1100 (1~12)
3	製造日 (下2桁、8)	...0000 0001~0011 0001 (01~31)
4	取付年 (下1桁、4)	...0000~1001 (0~9)
5	取付月 (下2桁、4)	...0001~1100 (1~12)
6	取付日 (下2桁、8)	...0000 0001~0011 0001 (01~31)
7	インクの種類 (4)	...0000~1111 (0~F)
8	色情報 (8)	...0000 0000~1111 1111 (00~FF)
9	カートリッジの仕向先や、内容量といったカートリッジ種類を示すデータ (8)	
10	最適なインクシークエンスのモードを示す情報 (8)	
11	インク残量 (142)	
12	製造ラインを示す情報 (4)	



FIG. 8

STORAGE INFORMATION TABLE

- 1 MANUFACTURING YEAR (LOW-ORDER ONE DIGIT, 4)
- 2 MANUFACTURING MONTH (LOW-ORDER TWO DIGITS, 4)
- 3 MANUFACTURING DAY (LOW-ORDER TWO DIGITS, 8)
- 4 ATTACHMENT YEAR (LOW-ORDER ONE DIGIT, 4)
- 5 ATTACHMENT MONTH (LOW-ORDER TWO DIGITS, 4)
- 6 ATTACHMENT DAY (LOW-ORDER TWO DIGITS, 8)
- 7 INK TYPE (4)
- 8 COLOR INFORMATION (8)
- 9 DATA INDICATING CARTRIDGE TYPE OF DESTINATION, CONTENT  
AMOUNT, ETC., OF THE CARTRIDGE (8)
- 10 INFORMATION INDICATING MODE OF OPTIMUM INK SEQUENCE (8)
- 11 INK REMAINING AMOUNT (142)
- 12 INFORMATION INDICATING THE MANUFACTURING LINE (4)

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# COCTOR "ZETBEE"

S1 READ INFORMATION OF CARTRIDGE

S2 N=1

S3 CHECK N-TH DATA

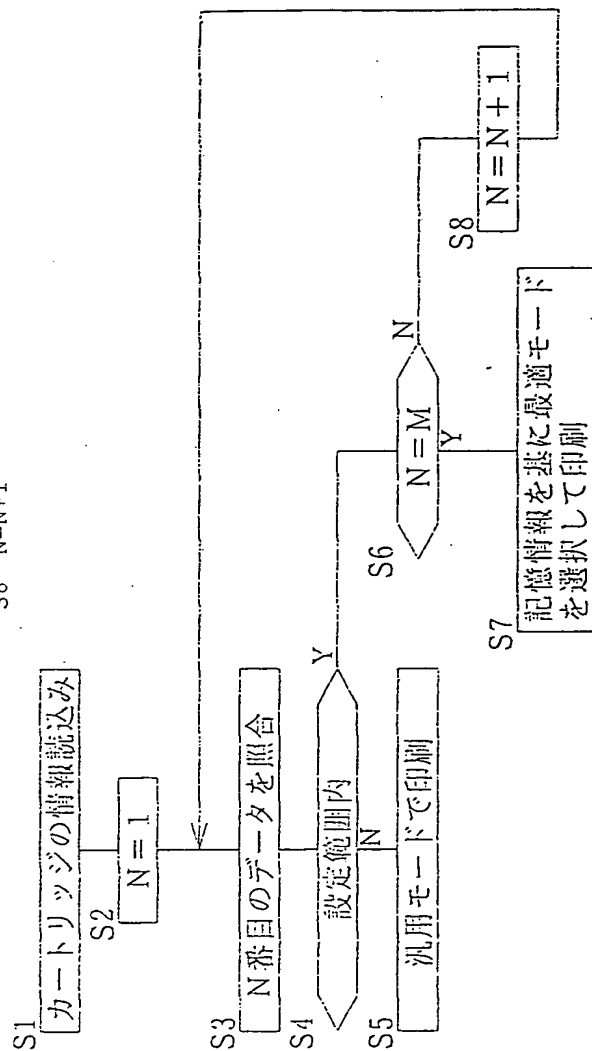
S4 WITHIN SETUP RANGE

S5 PRINT IN GENERAL-PURPOSE MODE

S6 N=M

S7 SELECT OPTIMUM MODE BASED ON STORAGE INFORMATION AND PRINT

S8 N=N+1



[illegible]

MANUFACTURED ON 4.1, 1997, ATTACHED ON 2.15, 1998

INK TYPE NO. 10 COLOR NO. 3B

II &lt;ABNORMAL&gt;

OUT OF RANGE OF 0-9      OUT OF RANGE OF 01-31

CHANGE TO VALUE OTHER THAN NO. 10. HOWEVER, WITHIN

## RANGE

CHANGE TO NO. 3F. HOWEVER, WITHIN RANGE

(7)	(4)	(0)	(1)	(10)	(3)	(B)
-----	-----	-----	-----	------	-----	-----

一、正當

1997. 4. 1 製造、1998. 2. 15 取付

イソク種NO.10

色NO. 3 B

## II < 集賢 >

[ ]

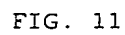
0～9の範囲外

01~31の範囲外

(11)

NO.10以外の値に変化してしまっている。  
ただし、範囲内

NO. 3 Fに変化してしまっている。  
ただし、範囲内



## 34 READ/WRITE MEANS

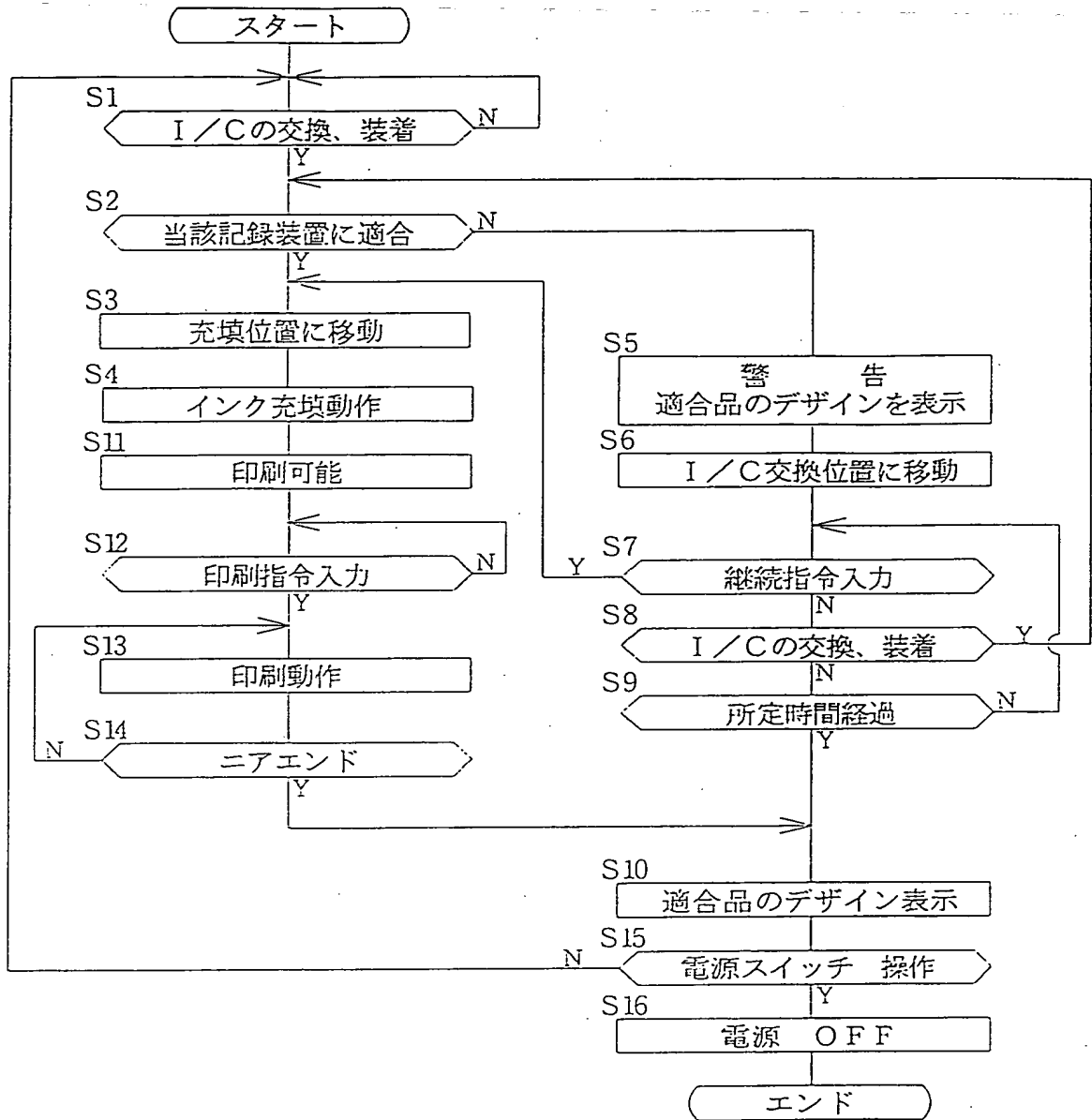
35 HEAD DRIVE MEANS

### 36 PUMP DRIVE MEANS

### 38 MEDIA TYPE DETERMINATION MEANS

51 THIS IS A COMPATIBLE PRODUCT

60 POWER SHUTDOWN DETECTION MEANS



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FIG. 12

START

S1 I/C REPLACED, MOUNTED

S2 COMPATIBLE TO THE RECORDING APPARATUS

S3 MOVE TO FILLING POSITION

S4 INK FILLING OPERATION

S5 CAUTION

DISPLAY DESIGN OF COMPATIBLE PRODUCT

S6 MOVE TO I/C REPLACEMENT POSITION

S7 CONTINUATION INSTRUCTION INPUT

S8 I/C REPLACED, MOUNTED

S9 PREDETERMINED TIME ELAPSED

S10 DISPLAY DESIGN OF COMPATIBLE PRODUCT

S11 PRINTABLE

S12 PRINT INSTRUCTION INPUT

S13 PRINT OPERATION

S14 NEAR END

S15 POWER SWITCH OPERATED

S16 TURN OFF POWER

END

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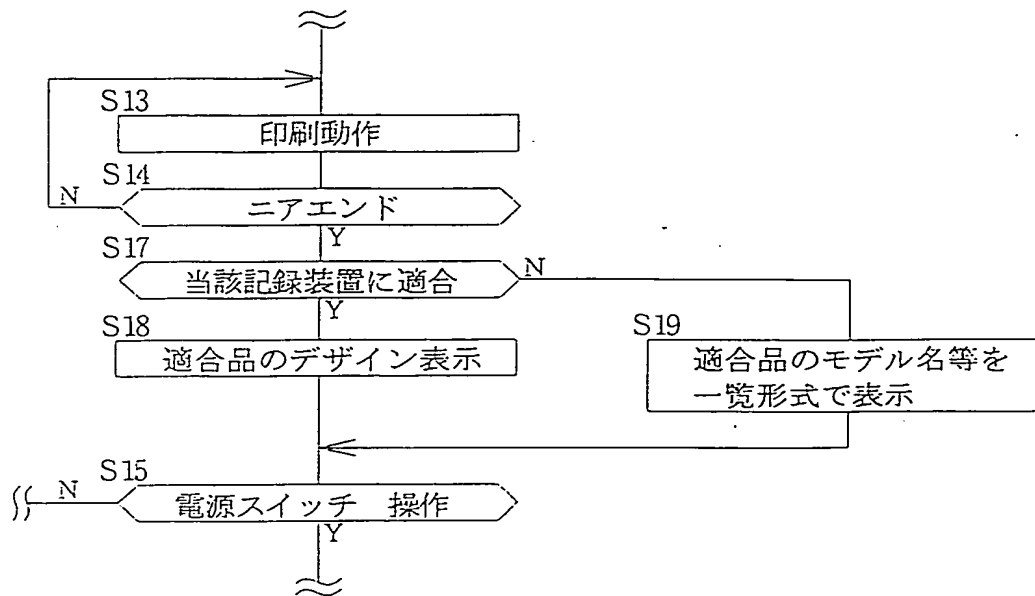


FIG. 13

S13 PRINT OPERATION

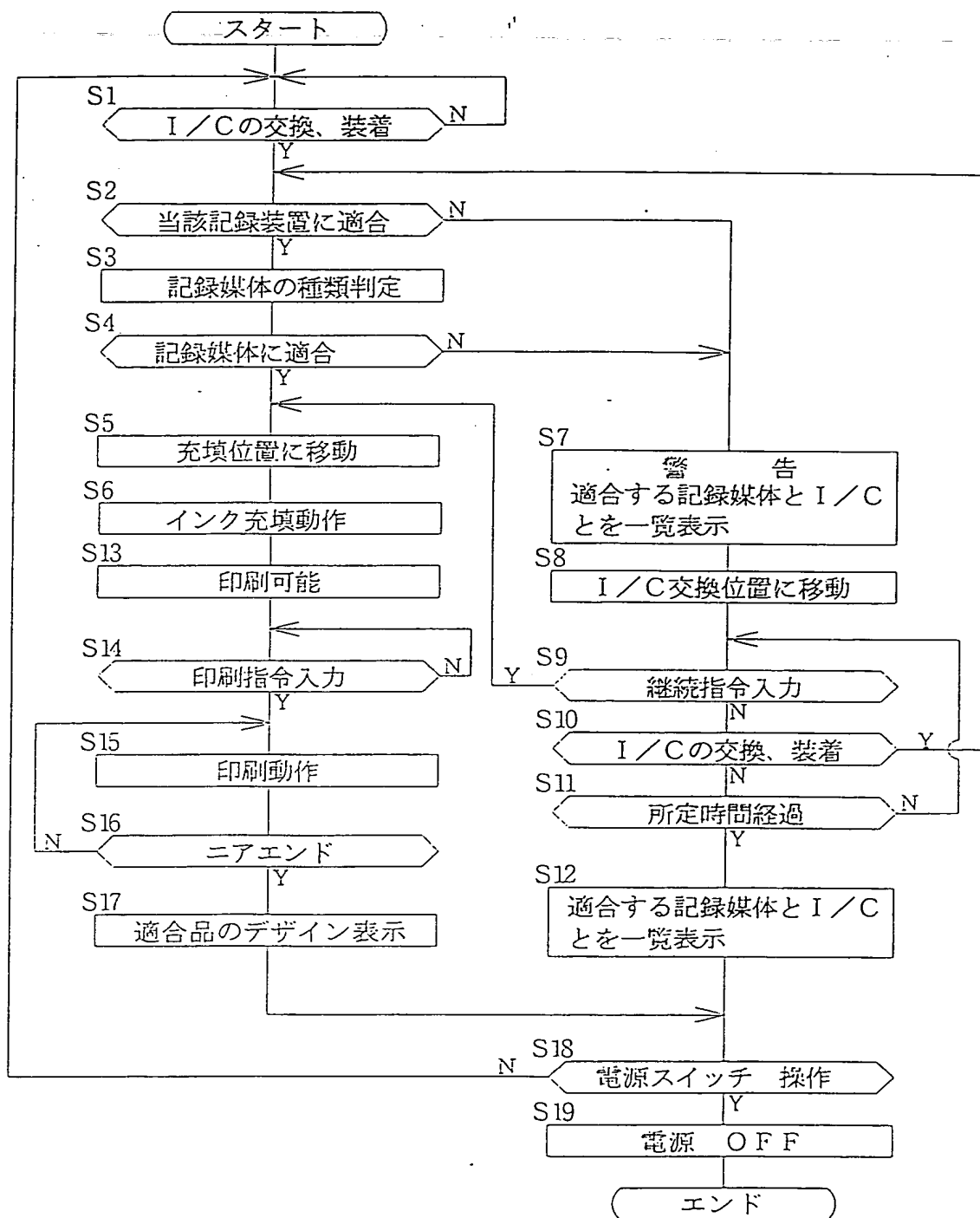
S14 NEAR END

S17 COMPATIBLE TO THE RECORDING APPARATUS

S18 DISPLAY DESIGN OF COMPATIBLE PRODUCT

S19 LIST MODEL NAMES, ETC., OF COMPATIBLE PRODUCTS

S15 POWER SWITCH OPERATED



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FIG. 14

START

S1 I/C REPLACED, MOUNTED  
S2 COMPATIBLE TO THE RECORDING APPARATUS  
S3 DETERMINE TYPE OF RECORD MEDIUM  
S4 COMPATIBLE TO RECORD MEDIUM  
S5 MOVE TO FILLING POSITION  
S6 PERFORM INK FILLING OPERATION  
S7 CAUTION  
LIST COMPATIBLE RECORD MEDIA AND I/C  
S8 MOVE TO I/C REPLACEMENT POSITION  
S9 CONTINUATION INSTRUCTION INPUT  
S10 I/C REPLACED, MOUNTED  
S11 PREDETERMINED TIME ELAPSED  
S12 LIST COMPATIBLE RECORD MEDIA AND I/C  
S13 PRINTABLE  
S14 PRINT INSTRUCTION INPUT  
S15 PRINT OPERATION  
S16 NEAR END  
S17 DISPLAY DESIGN OF COMPATIBLE PRODUCT  
S18 POWER SWITCH OPERATED  
S19 TURN OFF POWER

END

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